

CLAIMS:

I claim:

1 ✓1. An outboard jet drive boat comprising:
 2 ✓a hull (11) having a transom (12);
 3 ✓a housing (13) sealed against the intrusion of
 4 water and having an engine mounting platform (14)
 5 therein and having an engine (16) mounted in said
 6 housing (13) supported on said platform (14) and said
 7 housing (13) having front and rear sides, and a top
 8 and bottom and having a sealable entrance through the
 9 top thereof, and said housing (13) being removably
 10 attached to the transom (12) of said hull (11);
 11 a jet drive unit (17) being attached in said
 12 housing (13) below said platform (14) and extending
 13 generally parallel to said engine (16), said jet drive
 14 unit (17) extending from the rear of said housing
 15 (13) and being operatively attached to said engine
 16 (16) in said housing (13) above said platform (14);
 17 a main fuel tank (33) positioned inside said hull
 18 (11) and having a fuel line (35) connecting said main
 19 fuel tank (33) to said engine (16) for the feeding of
 20 fuel from said fuel tank (33) to said engine (16),
 21 whereby an outboard jet drive (17) and engine (16) are
 22 removably attached to a boat hull (11) transom (12)
 23 and isolated in a separate housing (13).

1 2. An outboard jet drive boat in accordance with
 2 claim 1 in which a secondary fuel tank (38) is mounted
 3 in said housing (13) and coupled between said main
 4 fuel tank (33) and said engine (16).

1 3. An outboard jet drive boat in accordance with
2 claim 2 in which said housing (13) has a transom (12)
3 hanging bracket (32) attached thereto and positioned
4 for attaching said housing (13) to said transom (12)
5 of said boat hull (11).

1 4. An outboard jet drive boat in accordance with
2 claim 3 in which said engine (16) is a diesel engine.

1 5. An outboard jet drive boat in accordance with
2 claim 3 including a fuel pump (41) mounted in said
3 housing (13) and coupled to said secondary fuel tank
4 (38).

1 6. An outboard jet drive boat in accordance
2 with claim 5 in which said engine mounting platform
3 (14) has engine mounts (15) attached thereto for
4 supporting said engine (16) thereon.

1 6/5 An outboard jet drive boat in accordance with
2 claim 5 having engine controls mounted in said boat
3 hull (11) coupled to said engine (16) and jet drive
4 unit (17) for controlling said engine from said hull
5 (11).

1 7/6 An outboard jet drive boat in accordance with
2 claim 7 in which a jet drive unit (17) is mounted
3 through said housing (13) rear side and attached to
4 said front and rear sides.

1 8/7 An outboard jet drive boat in accordance with
2 claim 8 having a battery mounted in said boat hull
3 (11) and electrically connected to said engine (16)
4 for starting said engine (16).

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1 ⁹ 10. An outboard jet drive boat in accordance
 2 with claim ⁸ 9 in which said engine (16) has monitoring
 3 sensors and said boat hull (11) has a plurality of
 4 engine instruments mounted therein operatively coupled
 5 to said engine sensors to provide sensed engine
 6 conditions in said engine instruments in said boat
 7 hull (11).

1 ¹⁰ 11. An outboard jet drive boat in accordance
 2 with claim ⁸ 9 having a clutched belt drive (27)
 3 operatively connecting said engine to said jet drive
 4 unit (17).

1 ¹¹ 12. An outboard jet drive boat in accordance
 2 with claim ¹⁰ 11 in which said housing (13) is sealed
 3 against the intrusion of water and partially extends
 4 into the water when said boat hull (11) is afloat to
 5 provide added buoyancy to said boat hull (11).

1 ¹² 13. An outboard jet drive boat in accordance
 2 with claim ¹¹ 12 in which said engine (16) has a sealed
 3 engine coolant system whereby the engine cooling is
 4 not dependent upon water from the body of water the
 5 boat hull (11) is floating upon.

a 1 ¹⁴ 14. An outboard jet drive boat in accordance
 2 with claim ⁵ 13 in which said engine (16) is mounted to
 3 said mounting platform (14) generally parallel to said
 4 jet drive unit (17).

1 ¹⁵ 15. An outboard jet drive boat in accordance
 2 with claim ¹⁴ 14 in which said engine (16) is mounted in
 3 a reverse direction to said jet drive unit (17).

a 1 16. ~~11~~ An outboard jet drive boat in accordance
 2 with claim ~~1~~ in which said housing (13) is mounted to
 3 said transom (12) above the hull (11) bottom to
 4 thereby reduce the ingress of debris.

a 1 17. ~~11~~ An outboard jet drive boat in accordance
 2 with claim ~~1~~ in which said platform (14) is sealed to
 3 said housing (13) to prevent the escape of leaking
 4 liquids from said engine.

13 1 18. An outboard jet drive boat in accordance
 2 with claim ~~1~~ in which said housing (13) has an
 3 auxiliary battery mounted therein.

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